

RCN Policy on Applications for No-Cost Service Additions

No Cost Additions of Applications

Policy: The TAG and ITS committees will approve no cost additions of applications that respect the funding requirements, technical limitations, regional nature and equitable use of the RCN.

Purpose: This policy allows the timely addition of applications to the RCN while providing for fair accommodation to participating agencies.

Applicability: This policy applies only to no cost application additions by existing participants in the RCN.

Evaluation: The TAG and ITS committees will review all requests that seek to add additional applications based on the following criteria.

Area	Description
Compatibility with funding requirements	Transportation uses must be given priority because construction of the facilities relies on federal transportation funding. Additional uses are permitted as long as they do not affect the transportation use. Projects must demonstrate that they are either compatible with the transportation use or that they will not impact that use in order to be considered.
Bandwidth Usage	The proposed use should be shown to not exceed the available bandwidth of the network, including burst traffic.
Regional Use	Regional uses of the network for interagency communication should be given preference over individual use.
Agency Distribution	The project should reflect a reasonable distribution of bandwidth among agencies.
Cost	Agencies should demonstrate that there will be no additional costs borne by the RCN for the implementation of the application. The agency will have the option of doing this by assuming the costs associated with implementation.

Requests for applications must include the understanding that non-transportation applications may have to be removed from the network in the future or may have to upgrade equipment to maintain the ability to execute transportation related applications.

A request must be approved by both committees before the additional application is added to the RCN.

Application Procedure: Requesting agencies will submit the attached form to MAG with supporting information as necessary. All applications will be reviewed by the RCN Working Group and a recommendation generated for TAG and ITS committees for consideration.

RCN Application for No-Cost Service Additions

Agency requesting service:	Maricopa Region 911
-----------------------------------	---------------------

Description of the service being requested:
<p>Maricopa Region 911 (r911) currently uses the RCN to support multiple 911 functions, including 911 call delivery, 911 mapping and Pictometry, and site-to-site backups.</p> <p>r911 requests to use the RCN as a fully capable redundant path for all the connected Public Safety Answering Points (PSAPs) in the event of a failure in one of more provider's networks. In addition, an increase in bandwidth will improve backup/restore times and lay the foundation for Next-Generation 911 services such as video delivery to the PSAP. This requires a bandwidth increase from the current values (submitted on 2011-09-29 with a planned request for increase once the RCN was determined a viable path):</p> <p>Remote location: from 5Mbps to 100Mbps Hub location: from 100Mbps to 1Gbps</p>

Description of the transportation use of this service:
911 call delivery, 911 mapping and Pictometry, site-to-site backups, and ancillary services.

Estimated bandwidth required:	PSAPs: <100Mbps Hub location: <1Gbps
Estimated peak bandwidth required:	PSAPs: <100Mbps Hub location: 1Gbps
Method used to determine bandwidth (Please include relevant supporting documentation):	
The RCN is connected to the r911 data network through an intelligent link aggregation device. The licensing restrictions of this device limit the PSAP-side bandwidth to 100Mbps TOTAL for all connected providers, and RCN is one of three (or more) providers connected through the device.	


Description of the regional benefit associated with this service:
Improved resiliency for connected PSAPs in the event of an outage of one or more providers using a unique, diverse path.


List of agencies that will benefit from this use now and in the future:	
City of Apache Junction	Police
Arizona State University	Police
City of Avondale	Police
City of Buckeye	Police
City of Chandler	Police
State of Arizona	Department of Public Safety
Fort McDowell Yavapi Nation	Tribal Police
Town of Gilbert	Police

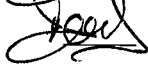
RCN Application for No-Cost Service Additions

City of Glendale	Police
City of Goodyear	Police
Luke AFB	Fire
Maricopa County	Sheriff
City of Mesa*	Police
City of Mesa	Fire
Town of Paradise Valley	Police
City of Peoria	Police
City of Phoenix	Police
City of Phoenix*	Fire
Rural Metro	Fire
Salt River Pima-Maricopa Indian Community	Tribal Police
City of Scottsdale	Police
City of Surprise	Police
City of Tempe	Police
City of Tolleson	Police
Town of Wickenburg	Police
* Hub location	

Please initial the following statements to affirm your understanding of the following RCN restrictions:

 If this is not a transportation use, I understand that my agency may have to mitigate or terminate our use of the service if it impacts the core transportation use.

 I acknowledge that the RCN does not have a guaranteed service level at this time and that the proposed use is consistent with this level of availability.

 I agree that our agency will bear any costs associated with the implementation of this service and that if it results in additional network management costs, those costs will be borne by our agency.

Applicant's Signature:



Name David Dansevicius

Title 911 Integrated Systems Administrator

Agency City of Phoenix – Maricopa Region 911

Date 2017-04-11

Return this application to: Ryan Gish, MAG – rgish@azmag.gov